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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/582,701	08/28/2000	Armand Nacheff	T2147-906522	6874
<div>7590 Edward J Kondracki Miles &amp; Stockbridge, P.C. 1751 Pinnacle Drive Suite 500 McLean, VA 22102</div>			<div>EXAMINER ROCHE, TRENTON J</div>	
			<div>ART UNIT 2193</div>	<div>PAPER NUMBER</div>
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		02/27/2007	PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

## Office Action Summary

Application No.

09/582,701

Applicant(s)

NACHEF ET AL.

Examiner

Trenton J. Roche

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 January 2006.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 11-14, 16-19, 21-23, 25-27, 29-32 and 34-37 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 11-14, 16-19, 21-23, 25-27, 29-32 and 34-37 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 28 August 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_

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### DETAILED ACTION

1. This Office action is responsive to communications filed 25 January 2007.
2. Per Applicants' request, amended claims 11 and 29 have been entered. Claims 11-14, 16-19, 21-23, 25-27, 29-32 and 34-37 are currently pending and have been examined.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 11-14, 16-19, 21-23, 25-27, 29-32 and 34-37 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,070,006 to Iriuchijima et al. ("Iriuchijima").

### **Regarding claim 11:**

Iriuchijima teaches:

- making an independent copy of an entire tree of the class, ("Inheritance relation cancellation is done automatically by copying all the attributes and operations from a parent class and by deleting the inheritance relation between the parent class and the child class" in col. 8 lines 14-17)
- the class including an instance of a generic attribute class and an instance of a generic method class, the instance of the generic method class including an instance of a generic

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parameter class (“the parent class ‘Title’ has the inheritance relation with child classes ‘DocTitle’ and ‘RtrvTitle’, and the parent class ‘Title’ has elements common to the child classes...” in col. 8 lines 53-56)

- storing the copy of the tree, and changing said first given name in order to assign a second name to the stored copy as claimed, the independent copy including a table specifying at least one parent of the independent copy and all ascendants of the independent copy, if any (“the parent class ‘Title’ has the inheritance relation with child classes ‘DocTitle’ and ‘RtrvTitle’, and the parent class ‘Title’ has elements common to the child classes...” in col. 8 lines 53-56. When the child classes are created, they are renamed, and the system includes information indicating that it is a child class.)
- wherein the steps are performed during a design stage prior to run-time (Note at least Figure 11 and the corresponding sections of the disclosure. The above steps occur in a design module.)
- wherein subsequent modifications to said generic attribute class or said generic method class are not propagated to said independent copy (“the selected inheritance relation is canceled” in col. 11 line 13. Further, note Figures 27 and 28, wherein Figure 27 shows canceling the relation between the “Title” abstract class, and Figure 28 shows the disconnected abstract class as a result of the operation. In this instance, modifications to the “Title” class would not affect the child classes, which are now independent.)

substantially as claimed.

**Regarding claim 12:**

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The rejection of claim 11 is incorporated, and further, Iriuchijima teaches a copy made through a serialization of the tree representing said class or said object as claimed (Note Figure 1, item 6, wherein the class information is stored.)

**Regarding claim 13:**

The rejection of claim 11 is incorporated, and further, Iriuchijima teaches inheritance of the class as claimed (Note the rejection regarding claim 11)

**Regarding claim 14:**

The rejection of claim 11 is incorporated, and further, Iriuchijima teaches instantiation as claimed.

Note the rejection regarding claim 11.

**Regarding claim 16:**

The rejection of claim 11 is incorporated, and further, Iriuchijima teaches automatically generating the class by means of a tool having at least one dialog box as claimed. (Note at least Figures 11-13 and the corresponding sections of the disclosure.)

**Regarding claim 17:**

The rejection of claim 16 is incorporated, and further, Iriuchijima teaches implementing the derivation by a computer designer, and using a command interface of a computer system as claimed (Note at least Figures 11-13 and the corresponding sections of the disclosure.)

**Regarding claim 18 and 19:**

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The rejection of claim 12 is incorporated, and further, note the rejection regarding claims 13 and 14, respectively.

**Regarding claims 21-23:**

The rejections of claims 12-14 are incorporated, respectively, and further, note the rejection regarding claim 16.

**Regarding claims 25-27:**

The rejections of claims 21-23 are incorporated, respectively, and further, note the rejection regarding claim 17.

**Regarding claims 29-32 and 34-37:**

Claims 29-32 and 34-37 do not further disclose or teach any new matter beyond that which is disclosed in claims 11-14, 16 and 17, and are therefore rejected for the reasons set forth in connection with claims 11-14, 16 and 17.

***Response to Arguments***

5. Applicant's arguments with respect to claims 11 and 29 have been considered but are moot in view of the new ground(s) of rejection.

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*Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trenton J. Roche whose telephone number is (571) 272-3733. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Trenton J Roche  
Examiner  
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TJR

  
SUPERVISORY PATENT EXAMINER